
WISCONSIN
VEHICLE INSPECTION PROGRAM
ANNUAL REPORT
2013



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BACKGROUND

The Wisconsin Department of Transportation (WisDOT) implemented the Wisconsin Vehicle Inspection Program (WVIP) in April 1984 in response to the federal Clean Air Act requirements. A major focus of the Clean Air Act is to reduce emissions that form ground-level ozone. Motor vehicles, industries, and smaller area sources such as lawn mowers, power boats, paints, solvents and other consumer products emit these ozone precursors. Areas exceeding federal air quality standards – established under the Clean Air Act – are designated as non-attainment and are required by federal law to reduce emissions.

The WVIP is one of the primary components of the strategy to reduce air pollution in southeastern Wisconsin area. Each year, over 600,000 cars and light duty trucks in a seven county region of southeastern Wisconsin's ozone non-attainment area are tested for emissions. The program covers more than 2,500 square miles over seven counties: Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Washington, and Waukesha. Vehicles receive inspections in a decentralized network of approximately 200 private inspection facilities (PIF) located in all seven of the program counties. Vehicle population determines PIF distribution. At the end of calendar year 2013 the PIF per county totals were:

- Kenosha = 17
- Milwaukee = 73
- Racine = 17
- Sheboygan = 10
- Waukesha = 51
- Ozaukee = 7
- Washington = 16

The emissions tests are free to the motorist. The state of Wisconsin pays the program contactor, Opus Inspection, a monthly fee of \$216,330.00. The state Transportation and Petroleum Environmental Cleanup Fund Act (PECFA) funds pay for the program.

PROGRAM OVERVIEW

| | |
|-------------------------|--|
| Geographical Area: | Seven southeastern Wisconsin counties: Sheboygan, Washington, Ozaukee, Waukesha, Milwaukee, Racine and Kenosha. Testing region covers 2,500 square miles. |
| Test Procedure: | OBDII testing, in which a vehicle's on-board computer is checked for emissions-related problems, is the standard test for all 1996 and newer gasoline-fueled vehicles equipped with OBDII technology and all 2007 and newer diesel-fueled vehicles equipped with OBDII technology. |
| Network Size: | 200 Private Inspection Facilities, 200 inspection lanes, 5 Technical Assistance Centers |
| Model Years (MY) Tested | <i>Registration Renewal Testing:</i> Model Years 1996 through 2010 <ul style="list-style-type: none">• Model year 1996-2006 gasoline-fueled vehicles up to 8,500 lbs. gross vehicle weight rating |

- Model year 2007 and newer gasoline-fueled and diesel-fueled vehicles between 8,500 and 14,000 lbs., gross vehicle weight rating

Change of Ownership: Model year 2008 and older in CY 2013

QUALITY CONTROL/QUALITY ASSURANCE

The WIVIP has several interrelated systems and functions monitoring program performance and accuracy. These systems include digital monitoring of all inspections, trigger reports alerting program management to any testing anomaly, videos of each inspection process, regular overt station checking on equipment performance and covert inspection audits.

The digital monitoring/trigger report capabilities enable constant program monitoring of inspection accuracy. Program management uses this tool to identify and remedy any potential issue. The regular station audits verify the accuracy of program functions at each PIF, the inspector's and inspection analyzer.

NETWORK

The WIVIP is a decentralized test and repair network comprised of 200 Private Inspection Facilities located throughout the seven county program region. The stations receive all analyzer equipment, service, consumables and inspector training, free of charge from Opus Inspection, the program management company. The list of PIFs participating in the network in 2013, and their locations, are attached in Table III.

Program Rationale

Southeastern Wisconsin is one of more than 40 metropolitan areas in the United States with ground-level ozone levels that exceed federal air quality standards. Excessive air pollution is a public health hazard. Geographically, as part of the south Lake Michigan air basin, southeastern Wisconsin is one of the worst areas in the country for ozone pollution.

Motor Vehicle Emission Reductions & Air Quality Improvement

Reducing motor vehicle emissions plays a large role in improving regional air quality. Along with reformulated gasoline use, the Wisconsin Vehicle Inspection Program (WVIP) is Wisconsin's most significant vehicle emission reduction program, and one that contributes to improved air quality in the entire upper Midwest.

The Wisconsin Department of Natural Resources (DNR) estimates that the program achieved the following reductions in on-road motor vehicle emissions during 2013:

- Volatile organic compounds (VOC) emissions reduced by 2.31 tons per summer weekday, or 7.0%.
- Oxides of nitrogen (NOx) emissions reduced by 3.98 tons per summer weekday, or 5.7%.
- Carbon monoxide (CO) emissions reduced by 32.56 tons per summer weekday, or 8.8%.

Hot Summer Weekday Emissions (tons) For On-Road Motor Vehicles

| | | Volatile Organic Compounds (VOC) | | | | |
|-------------------------------|-----------------------|----------------------------------|--------------|--------------|--------------|--------------|
| | | 2005 | 2008 | 2011 | 2012 | 2013 |
| No WVIP | 6 SE Counties | 52.86 | 48.42 | 39.16 | 33.81 | 30.93 |
| No WVIP | Sheboygan Co. | 3.72 | 3.52 | 2.65 | 2.42 | 2.22 |
| No WVIP | All 7 Counties | 56.58 | 51.93 | 41.81 | 36.24 | 33.16 |
| WVIP | 6 SE Counties | 46.90 | 42.67 | 36.74 | 31.59 | 28.78 |
| WVIP | Sheboygan Co. | 3.34 | 3.13 | 2.49 | 2.27 | 2.07 |
| WVIP | All 7 Counties | 50.24 | 45.80 | 39.23 | 33.86 | 30.85 |
| WVIP Reductions (tons) | | 6.34 | 6.13 | 2.58 | 2.38 | 2.31 |
| WVIP Reductions (%) | | 11.2% | 11.8% | 6.2% | 6.6% | 7.0% |

| | | Oxides of Nitrogen (NOx) | | | | |
|-------------------------------|-----------------------|--------------------------|---------------|--------------|--------------|--------------|
| | | 2005 | 2008 | 2011 | 2012 | 2013 |
| No WVIP | 6 SE Counties | 125.98 | 107.19 | 85.60 | 72.12 | 65.89 |
| No WVIP | Sheboygan Co. | 9.03 | 7.23 | 5.45 | 4.80 | 4.38 |
| No WVIP | All 7 Counties | 135.01 | 114.42 | 91.05 | 76.92 | 70.26 |
| WVIP | 6 SE Counties | 117.46 | 99.06 | 81.15 | 68.13 | 62.15 |
| WVIP | Sheboygan Co. | 8.49 | 6.74 | 5.18 | 4.54 | 4.13 |
| WVIP | All 7 Counties | 125.95 | 105.80 | 86.32 | 72.67 | 66.28 |
| WVIP Reductions (tons) | | 9.05 | 8.62 | 4.73 | 4.24 | 3.98 |
| WVIP Reductions (%) | | 6.7% | 7.5% | 5.2% | 5.5% | 5.7% |

| | | Carbon Monoxide (CO) | | | | |
|-------------------------------|-----------------------|----------------------|---------------|---------------|---------------|---------------|
| | | 2005 | 2008 | 2011 | 2012 | 2013 |
| No WVIP | 6 SE Counties | 508.00 | 490.96 | 416.17 | 367.92 | 345.23 |
| No WVIP | Sheboygan Co. | 41.86 | 34.69 | 26.65 | 25.02 | 23.54 |
| No WVIP | All 7 Counties | 549.86 | 525.64 | 442.82 | 392.94 | 368.77 |
| WVIP | 6 SE Counties | 445.05 | 428.85 | 383.82 | 337.31 | 314.78 |
| WVIP | Sheboygan Co. | 37.33 | 30.66 | 24.57 | 22.92 | 21.44 |
| WVIP | All 7 Counties | 482.38 | 459.51 | 408.39 | 360.23 | 336.22 |
| WVIP Reductions (tons) | | 67.48 | 66.14 | 34.43 | 32.71 | 32.56 |
| WVIP Reductions (%) | | 12.3% | 12.6% | 7.8% | 8.3% | 8.8% |

NOTES:

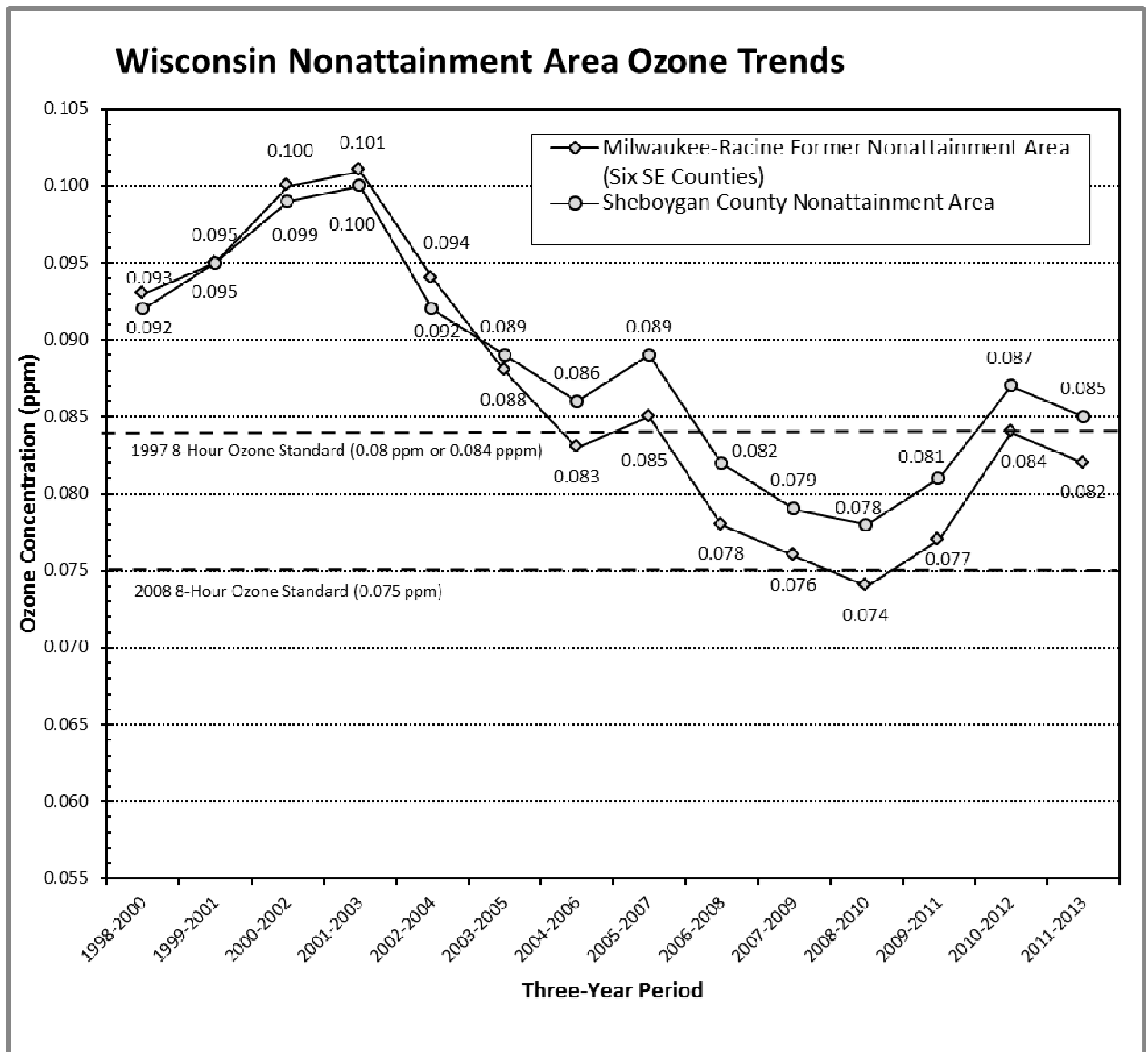
1. The "6 SE Counties" are Kenosha, Milwaukee, Ozaukee, Racine, Washington and Waukesha Counties.
2. Emissions calculated using U.S. EPA's MOVES2010b model.
3. Emissions calculated for the year 2013 are preliminary, since 2013 vehicle-miles of travel data are not yet available.
4. Emissions calculated for the years 2008 and later differ from the values in last year's report, since this year's modeling reflects updated vehicle age distribution data.
5. On July of 2008, the WVIP dropped tailpipe testing entirely and only tested vehicles of model years 1996 and newer by scanning their on-board diagnostic (OBD) systems. This exempted all vehicles of model years 1995 and older, resulting in a decrease in the program's emission reduction percentages after 2008.

Over time, the WVIP has contributed to the following air quality advances in Wisconsin:

Ozone: Ground-level ozone concentrations in southeastern Wisconsin have dropped significantly over the past 20 years. During 1990, the 1-hour ozone “design value” (a calculated measurement used to evaluate compliance with the 1-hour ozone standard) for southeastern Wisconsin was 0.19 parts per million (ppm). This value was high enough that six southeastern Wisconsin counties were classified as a severe ozone nonattainment area under the 1990 Clean Air Act (CAA) amendments. Other eastern Wisconsin counties were assigned less severe nonattainment designations.

By 2001, the 1-hour design value for southeastern Wisconsin had dropped to 0.12 ppm, meeting the 1-hour ozone standard. All Wisconsin counties are now monitoring ozone concentrations below this level.

More recently, the U.S. EPA has been implementing more stringent ozone standards, using an 8-hour averaging period. This “8-hour ozone standard” was originally set at 0.084 ppm in 1997. It was revised in 2008 to 0.075 ppm, based on updated information on the health effects of ozone. As shown in the following graph, ozone concentrations have continued to decline since 2000.



Since meteorology (especially temperature) has a strong influence on ozone concentrations, the values are elevated for the three-year periods including hot summers. In particular, the years 2002, 2006, 2011 and 2012 had very hot summers.

As a result of the declining ozone concentrations, the areas of Wisconsin still in nonattainment for ozone are now limited to Sheboygan County and part of Kenosha County. The WVIP will play an important, ongoing role in the state's efforts to attain the more stringent 8-hour ozone standard in those areas and to maintain attainment throughout all of eastern Wisconsin.

Carbon Monoxide: Between 1977 and 1984, southeastern Wisconsin exceeded the federal carbon monoxide standard 35 times. Since the program's implementation in 1984, southeastern Wisconsin has not exceeded this standard even once.

Credit for these air quality improvements goes to various state and federal ozone control measures implemented both in Wisconsin and other states. Aside from Wisconsin's and neighboring states' vehicle inspection and maintenance programs, these include reformulated gasoline, national emission standards for new motor vehicles, utility and industrial source controls, and gasoline vapor recovery controls.

TEST DATA REPORT

OPERATING STATISTICS

ALL TESTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(1) The number of vehicles tested by model year and vehicle type.

The tests represented in the table below include test records for initial tests, retests and waivers. It contains all test results, including pass, fail, waivers, aborts, rejects and voids. All tables in this section do not include test records that were performed in the course of the state audits.

| VEHICLE MODEL | PASSENGER TESTS | SUV TESTS | TRUCK TESTS | VAN TESTS | GRAND TOTAL |
|---------------|--------------------|--------------|----------------|--------------|----------------|
| 1996 | 17054 | 3908 | 3835 | 2248 | 27045 |
| 1997 | 7260 | 1465 | 1400 | 846 | 10971 |
| 1998 | 27609 | 7003 | 6182 | 4413 | 45207 |
| 1999 | 10290 | 2514 | 1616 | 1294 | 15714 |
| 2000 | 41968 | 10802 | 8025 | 8509 | 69304 |
| 2001 | 12262 | 2695 | 1855 | 1485 | 18297 |
| 2002 | 50044 | 17815 | 8940 | 8256 | 85055 |
| 2003 | 11235 | 3694 | 1715 | 1677 | 18321 |
| 2004 | 46556 | 21962 | 9403 | 7083 | 85004 |
| 2005 | 10589 | 3908 | 1465 | 1871 | 17833 |
| 2006 | 48581 | 19285 | 7443 | 9668 | 84977 |
| 2007 | 10443 | 3901 | 1565 | 1338 | 17247 |
| 2008 | 45457 | 24007 | 7673 | 7713 | 84850 |
| 2009 | 2489 | 822 | 406 | 287 | 4004 |
| 2010 | 33231 | 15326 | 4842 | 4882 | 58281 |
| 2011 | 1627 | 851 | 246 | 203 | 2927 |
| 2012 | 302 | 125 | 46 | 33 | 506 |
| 2013 | 121 | 52 | 18 | 16 | 207 |
| 2014 | 54 | 11 | 3 | 1 | 69 |
| GRAND TOTAL | 377172 | 140146 | 66678 | 61823 | 645819 |

INITIAL TESTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(i) The number of vehicles tested by model year and vehicle type failing by test type.

| MODEL YEAR & VEHICLE TYPE | TOTAL INITIAL TESTS | INITIAL FAIL | INITIAL PASS | FAIL RATE |
|---------------------------|---------------------|--------------|--------------|--------------|
| 1996 | 24636 | 2713 | 21923 | 11.0% |
| PASSENGER | 15211 | 1646 | 13565 | 10.8% |
| SUV | 3829 | 502 | 3327 | 13.1% |
| TRUCK | 3436 | 282 | 3154 | 8.2% |
| VAN | 2160 | 283 | 1877 | 13.1% |
| 1997 | 9484 | 1401 | 8083 | 14.8% |
| PASSENGER | 6072 | 859 | 5213 | 14.1% |
| SUV | 1432 | 268 | 1164 | 18.7% |
| TRUCK | 1189 | 139 | 1050 | 11.7% |
| VAN | 791 | 135 | 656 | 17.1% |
| 1998 | 41240 | 4162 | 37078 | 10.1% |
| PASSENGER | 24636 | 2431 | 22205 | 9.9% |
| SUV | 6940 | 724 | 6216 | 10.4% |
| TRUCK | 5484 | 454 | 5030 | 8.3% |
| VAN | 4180 | 553 | 3627 | 13.2% |
| 1999 | 13852 | 1688 | 12164 | 12.2% |
| PASSENGER | 8766 | 1078 | 7688 | 12.3% |
| SUV | 2487 | 303 | 2184 | 12.2% |
| TRUCK | 1392 | 120 | 1272 | 8.6% |
| VAN | 1207 | 187 | 1020 | 15.5% |
| 2000 | 63561 | 5368 | 58193 | 8.4% |
| PASSENGER | 37854 | 3442 | 34412 | 9.1% |
| SUV | 10655 | 796 | 9859 | 7.5% |
| TRUCK | 6992 | 436 | 6556 | 6.2% |
| VAN | 8060 | 694 | 7366 | 8.6% |
| 2001 | 15936 | 1905 | 14031 | 12.0% |
| PASSENGER | 10397 | 1272 | 9125 | 12.2% |
| SUV | 2650 | 272 | 2378 | 10.3% |
| TRUCK | 1514 | 119 | 1395 | 7.9% |
| VAN | 1375 | 242 | 1133 | 17.6% |
| 2002 | 78775 | 5717 | 73058 | 7.3% |
| PASSENGER | 45439 | 3475 | 41964 | 7.6% |

| MODEL YEAR & VEHICLE TYPE | TOTAL INITIAL TESTS | INITIAL FAIL | INITIAL PASS | FAIL RATE |
|---------------------------|---------------------|--------------|--------------|-------------|
| SUV | 17689 | 1153 | 16536 | 6.5% |
| TRUCK | 7836 | 383 | 7453 | 4.9% |
| VAN | 7811 | 706 | 7105 | 9.0% |
| 2003 | 16704 | 1192 | 15512 | 7.1% |
| PASSENGER | 10045 | 749 | 9296 | 7.5% |
| SUV | 3634 | 237 | 3397 | 6.5% |
| TRUCK | 1473 | 71 | 1402 | 4.8% |
| VAN | 1552 | 135 | 1417 | 8.7% |
| 2004 | 80774 | 3464 | 77310 | 4.3% |
| PASSENGER | 43782 | 1966 | 41816 | 4.5% |
| SUV | 21799 | 901 | 20898 | 4.1% |
| TRUCK | 8493 | 322 | 8171 | 3.8% |
| VAN | 6700 | 275 | 6425 | 4.1% |
| 2005 | 16722 | 735 | 15987 | 4.4% |
| PASSENGER | 9782 | 429 | 9353 | 4.4% |
| SUV | 3872 | 182 | 3690 | 4.7% |
| TRUCK | 1309 | 37 | 1272 | 2.8% |
| VAN | 1759 | 87 | 1672 | 4.9% |
| 2006 | 81516 | 2516 | 79000 | 3.1% |
| PASSENGER | 46452 | 1469 | 44983 | 3.2% |
| SUV | 19224 | 547 | 18677 | 2.8% |
| TRUCK | 6762 | 171 | 6591 | 2.5% |
| VAN | 9078 | 329 | 8749 | 3.6% |
| 2007 | 16758 | 420 | 16338 | 2.5% |
| PASSENGER | 10027 | 251 | 9776 | 2.5% |
| SUV | 3891 | 75 | 3816 | 1.9% |
| TRUCK | 1502 | 44 | 1458 | 2.9% |
| VAN | 1338 | 50 | 1288 | 3.7% |
| 2008 | 83671 | 1220 | 82451 | 1.5% |
| PASSENGER | 44446 | 660 | 43786 | 1.5% |
| SUV | 23971 | 267 | 23704 | 1.1% |
| TRUCK | 7558 | 121 | 7437 | 1.6% |
| VAN | 7696 | 172 | 7524 | 2.2% |
| 2009 | 3917 | 54 | 3863 | 1.4% |
| PASSENGER | 2416 | 33 | 2383 | 1.4% |
| SUV | 822 | 10 | 812 | 1.2% |
| TRUCK | 394 | 7 | 387 | 1.8% |
| VAN | 285 | 4 | 281 | 1.4% |
| 2010 | 57932 | 299 | 57633 | 0.5% |
| PASSENGER | 32933 | 156 | 32777 | 0.5% |
| SUV | 15314 | 71 | 15243 | 0.5% |

| MODEL YEAR & VEHICLE TYPE | TOTAL INITIAL TESTS | INITIAL FAIL | INITIAL PASS | FAIL RATE |
|---------------------------|---------------------|--------------|---------------|-------------|
| TRUCK | 4815 | 28 | 4787 | 0.6% |
| VAN | 4870 | 44 | 4826 | 0.9% |
| 2011 | 2766 | 202 | 2564 | 7.3% |
| PASSENGER | 1472 | 199 | 1273 | 13.5% |
| SUV | 849 | 1 | 848 | 0.1% |
| TRUCK | 244 | 1 | 243 | 0.4% |
| VAN | 201 | 1 | 200 | 0.5% |
| 2012 | 500 | 3 | 497 | 0.6% |
| PASSENGER | 298 | 2 | 296 | 0.7% |
| SUV | 125 | | 125 | 0.0% |
| TRUCK | 45 | 1 | 44 | 2.2% |
| VAN | 32 | | 32 | 0.0% |
| 2013 | 201 | 3 | 198 | 1.5% |
| PASSENGER | 116 | 2 | 114 | 1.7% |
| SUV | 51 | | 51 | 0.0% |
| TRUCK | 18 | 1 | 17 | 5.6% |
| VAN | 16 | | 16 | 0.0% |
| 2014 | 68 | 2 | 66 | 2.9% |
| PASSENGER | 53 | 2 | 51 | 3.8% |
| SUV | 11 | | 11 | 0.0% |
| TRUCK | 3 | | 3 | 0.0% |
| VAN | 1 | | 1 | 0.0% |
| GRAND TOTAL | 609013 | 33064 | 575949 | 5.4% |

RETEST RESULTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2) (ii) – (iii) The number of vehicles tested by model year and vehicle type passing or failing the first retest.

| FIRST RETESTS | 1ST RETEST RESULTS | | | | |
|-------------------|--------------------|-------------|-------------|-----------|-----------|
| MODEL YEAR & TYPE | FAIL | PASS | ALL | FAIL RATE | PASS RATE |
| 1996 | 377 | 1472 | 1849 | 25.6% | 79.6% |
| PASSENGER | 325 | 1261 | 1586 | 25.8% | 79.5% |
| SUV | 13 | 22 | 35 | 59.1% | 62.9% |
| TRUCK | 32 | 175 | 207 | 18.3% | 84.5% |
| VAN | 7 | 14 | 21 | 50.0% | 66.7% |
| 1997 | 289 | 790 | 1079 | 36.6% | 73.2% |
| PASSENGER | 251 | 679 | 930 | 37.0% | 73.0% |
| SUV | 8 | 11 | 19 | 72.7% | 57.9% |
| TRUCK | 27 | 92 | 119 | 29.3% | 77.3% |
| VAN | 3 | 8 | 11 | 37.5% | 72.7% |
| 1998 | 552 | 2402 | 2954 | 23.0% | 81.3% |
| PASSENGER | 484 | 2057 | 2541 | 23.5% | 81.0% |
| SUV | 9 | 29 | 38 | 31.0% | 76.3% |
| TRUCK | 49 | 296 | 345 | 16.6% | 85.8% |
| VAN | 10 | 20 | 30 | 50.0% | 66.7% |
| 1999 | 304 | 1029 | 1333 | 29.5% | 77.2% |
| PASSENGER | 287 | 926 | 1213 | 31.0% | 76.3% |
| SUV | 1 | 7 | 8 | 14.3% | 87.5% |
| TRUCK | 14 | 90 | 104 | 15.6% | 86.5% |
| VAN | 2 | 6 | 8 | 33.3% | 75.0% |
| 2000 | 660 | 3339 | 3999 | 19.8% | 83.5% |
| PASSENGER | 604 | 2963 | 3567 | 20.4% | 83.1% |
| SUV | 10 | 25 | 35 | 40.0% | 71.4% |
| TRUCK | 35 | 326 | 361 | 10.7% | 90.3% |
| VAN | 11 | 25 | 36 | 44.0% | 69.4% |
| 2001 | 377 | 1239 | 1616 | 30.4% | 76.7% |
| PASSENGER | 343 | 1116 | 1459 | 30.7% | 76.5% |
| SUV | 5 | 12 | 17 | 41.7% | 70.6% |
| TRUCK | 24 | 100 | 124 | 24.0% | 80.6% |
| VAN | 5 | 11 | 16 | 45.5% | 68.8% |
| 2002 | 673 | 3717 | 4390 | 18.1% | 84.7% |
| PASSENGER | 621 | 3350 | 3971 | 18.5% | 84.4% |
| SUV | 14 | 42 | 56 | 33.3% | 75.0% |

| FIRST RETESTS | | 1ST RETEST RESULTS | | | | |
|-------------------|------|--------------------|------|-----------|-----------|--|
| MODEL YEAR & TYPE | FAIL | PASS | ALL | FAIL RATE | PASS RATE | |
| TRUCK | 30 | 296 | 326 | 10.1% | 90.8% | |
| VAN | 8 | 29 | 37 | 27.6% | 78.4% | |
| 2003 | 174 | 922 | 1096 | 18.9% | 84.1% | |
| PASSENGER | 155 | 837 | 992 | 18.5% | 84.4% | |
| SUV | 3 | 13 | 16 | 23.1% | 81.3% | |
| TRUCK | 12 | 67 | 79 | 17.9% | 84.8% | |
| VAN | 4 | 5 | 9 | 80.0% | 55.6% | |
| 2004 | 311 | 2481 | 2792 | 12.5% | 88.9% | |
| PASSENGER | 276 | 2183 | 2459 | 12.6% | 88.8% | |
| SUV | 7 | 49 | 56 | 14.3% | 87.5% | |
| TRUCK | 21 | 243 | 264 | 8.6% | 92.0% | |
| VAN | 7 | 6 | 13 | 116.7% | 46.2% | |
| 2005 | 93 | 645 | 738 | 14.4% | 87.4% | |
| PASSENGER | 87 | 589 | 676 | 14.8% | 87.1% | |
| SUV | 2 | 12 | 14 | 16.7% | 85.7% | |
| TRUCK | 4 | 40 | 44 | 10.0% | 90.9% | |
| VAN | | 4 | 4 | 0.0% | 100.0% | |
| 2006 | 215 | 1879 | 2094 | 11.4% | 89.7% | |
| PASSENGER | 197 | 1719 | 1916 | 11.5% | 89.7% | |
| SUV | 4 | 21 | 25 | 19.0% | 84.0% | |
| TRUCK | 12 | 131 | 143 | 9.2% | 91.6% | |
| VAN | 2 | 8 | 10 | 25.0% | 80.0% | |
| 2007 | 48 | 377 | 425 | 12.7% | 88.7% | |
| PASSENGER | 44 | 314 | 358 | 14.0% | 87.7% | |
| SUV | | 5 | 5 | 0.0% | 100.0% | |
| TRUCK | 4 | 54 | 58 | 7.4% | 93.1% | |
| VAN | | 4 | 4 | 0.0% | 100.0% | |
| 2008 | 97 | 901 | 998 | 10.8% | 90.3% | |
| PASSENGER | 90 | 790 | 880 | 11.4% | 89.8% | |
| SUV | 1 | 7 | 8 | 14.3% | 87.5% | |
| TRUCK | 5 | 97 | 102 | 5.2% | 95.1% | |
| VAN | 1 | 7 | 8 | 14.3% | 87.5% | |
| 2009 | 8 | 51 | 59 | 15.7% | 86.4% | |
| PASSENGER | 8 | 40 | 48 | 20.0% | 83.3% | |
| TRUCK | | 10 | 10 | 0.0% | 100.0% | |
| VAN | | 1 | 1 | 0.0% | 100.0% | |
| 2010 | 20 | 228 | 248 | 8.8% | 91.9% | |
| PASSENGER | 18 | 207 | 225 | 8.7% | 92.0% | |
| TRUCK | 1 | 19 | 20 | 5.3% | 95.0% | |
| VAN | 1 | 2 | 3 | 50.0% | 66.7% | |
| 2011 | 10 | 142 | 152 | 7.0% | 93.4% | |

| FIRST RETESTS | | 1ST RETEST RESULTS | | | |
|-------------------|------|--------------------|-------|-----------|-----------|
| MODEL YEAR & TYPE | FAIL | PASS | ALL | FAIL RATE | PASS RATE |
| PASSENGER | 10 | 142 | 152 | 7.0% | 93.4% |
| 2012 | | 1 | 1 | 0.0% | 100.0% |
| PASSENGER | | 1 | 1 | 0.0% | 100.0% |
| 2013 | 1 | 1 | 2 | 100.0% | 50.0% |
| PASSENGER | 1 | 1 | 2 | 100.0% | 50.0% |
| 2014 | | 1 | 1 | 0.0% | 100.0% |
| PASSENGER | | 1 | 1 | 0.0% | 100.0% |
| ALL | 4209 | 21617 | 25826 | 19.5% | 83.7% |

SUBSEQUENT RETESTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2) (iv) The number of vehicles tested by model year and vehicle type that initially failed and passed the second or subsequent retest.

| SECOND OR SUBSEQUENT RETESTS | | | | | |
|------------------------------|------------|------------|-------------|-----------|-----------|
| MODEL YEAR & TYPE | FAIL | PASS | GRAND TOTAL | FAIL RATE | PASS RATE |
| 1996 | 112 | 189 | 301 | 37.2% | 62.8% |
| PASSENGER | 94 | 165 | 259 | 36.3% | 63.7% |
| SUV | 3 | 3 | 6 | 50.0% | 50.0% |
| TRUCK | 15 | 17 | 32 | 46.9% | 53.1% |
| VAN | | 4 | 4 | 0.0% | 100.0% |
| 1997 | 112 | 166 | 278 | 40.3% | 59.7% |
| PASSENGER | 101 | 143 | 244 | 41.4% | 58.6% |
| SUV | 2 | 3 | 5 | 40.0% | 60.0% |
| TRUCK | 8 | 19 | 27 | 29.6% | 70.4% |
| VAN | 1 | 1 | 2 | 50.0% | 50.0% |
| 1998 | 144 | 305 | 449 | 32.1% | 67.9% |
| PASSENGER | 128 | 267 | 395 | 32.4% | 67.6% |
| SUV | 4 | 6 | 10 | 40.0% | 60.0% |
| TRUCK | 9 | 30 | 39 | 23.1% | 76.9% |
| VAN | 3 | 2 | 5 | 60.0% | 40.0% |
| 1999 | 97 | 202 | 299 | 32.4% | 67.6% |
| PASSENGER | 91 | 185 | 276 | 33.0% | 67.0% |
| SUV | 3 | 2 | 5 | 60.0% | 40.0% |
| TRUCK | 2 | 12 | 14 | 14.3% | 85.7% |
| VAN | 1 | 3 | 4 | 25.0% | 75.0% |
| 2000 | 188 | 368 | 556 | 33.8% | 66.2% |
| PASSENGER | 172 | 338 | 510 | 33.7% | 66.3% |
| SUV | 6 | 4 | 10 | 60.0% | 40.0% |
| TRUCK | 10 | 23 | 33 | 30.3% | 69.7% |
| VAN | | 3 | 3 | 0.0% | 100.0% |
| 2001 | 126 | 265 | 391 | 32.2% | 67.8% |
| PASSENGER | 114 | 239 | 353 | 32.3% | 67.7% |
| SUV | | 2 | 2 | 0.0% | 100.0% |
| TRUCK | 10 | 21 | 31 | 32.3% | 67.7% |
| VAN | 2 | 3 | 5 | 40.0% | 60.0% |
| 2002 | 198 | 411 | 609 | 32.5% | 67.5% |
| PASSENGER | 184 | 379 | 563 | 32.7% | 67.3% |

SECOND OR SUBSEQUENT RETESTS

| MODEL YEAR & TYPE | FAIL | PASS | GRAND TOTAL | FAIL RATE | PASS RATE |
|--------------------|-------------|-------------|-------------|--------------|--------------|
| SUV | 4 | 7 | 11 | 36.4% | 63.6% |
| TRUCK | 5 | 23 | 28 | 17.9% | 82.1% |
| VAN | 5 | 2 | 7 | 71.4% | 28.6% |
| 2003 | 66 | 111 | 177 | 37.3% | 62.7% |
| PASSENGER | 58 | 93 | 151 | 38.4% | 61.6% |
| SUV | 4 | 1 | 5 | 80.0% | 20.0% |
| TRUCK | 3 | 15 | 18 | 16.7% | 83.3% |
| VAN | 1 | 2 | 3 | 33.3% | 66.7% |
| 2004 | 86 | 195 | 281 | 30.6% | 69.4% |
| PASSENGER | 81 | 179 | 260 | 31.2% | 68.8% |
| SUV | 1 | 2 | 3 | 33.3% | 66.7% |
| TRUCK | 4 | 12 | 16 | 25.0% | 75.0% |
| VAN | | 2 | 2 | 0.0% | 100.0% |
| 2005 | 20 | 79 | 99 | 20.2% | 79.8% |
| PASSENGER | 20 | 72 | 92 | 21.7% | 78.3% |
| SUV | | 3 | 3 | 0.0% | 100.0% |
| TRUCK | | 3 | 3 | 0.0% | 100.0% |
| VAN | | 1 | 1 | 0.0% | 100.0% |
| 2006 | 39 | 146 | 185 | 21.1% | 78.9% |
| PASSENGER | 34 | 136 | 170 | 20.0% | 80.0% |
| SUV | 2 | | 2 | 100.0% | 0.0% |
| TRUCK | 3 | 10 | 13 | 23.1% | 76.9% |
| 2007 | 5 | 31 | 36 | 13.9% | 86.1% |
| PASSENGER | 5 | 28 | 33 | 15.2% | 84.8% |
| TRUCK | | 3 | 3 | 0.0% | 100.0% |
| 2008 | 21 | 70 | 91 | 23.1% | 76.9% |
| PASSENGER | 16 | 63 | 79 | 20.3% | 79.7% |
| SUV | | 2 | 2 | 0.0% | 100.0% |
| TRUCK | 5 | 4 | 9 | 55.6% | 44.4% |
| VAN | | 1 | 1 | 0.0% | 100.0% |
| 2009 | 1 | 7 | 8 | 12.5% | 87.5% |
| PASSENGER | 1 | 7 | 8 | 12.5% | 87.5% |
| 2010 | 4 | 12 | 16 | 25.0% | 75.0% |
| PASSENGER | 4 | 12 | 16 | 25.0% | 75.0% |
| 2011 | 1 | 3 | 4 | 25.0% | 75.0% |
| PASSENGER | 1 | 3 | 4 | 25.0% | 75.0% |
| GRAND TOTAL | 1220 | 2560 | 3780 | 32.3% | 67.7% |

VEHICLE WAIVERS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2) (v) The number of vehicles tested by model year and vehicle type receiving a waiver.

A motorist may request a waiver from further inspection requirements for the current inspection cycle if the vehicle fails a second retest after repairs. In general, a waiver may be granted if the motorist exceeds the cost limit on emission-related repairs and adjustments at a recognized repair facility. The waiver repair cost limit excludes emission system warranty repairs and the repair/replacement of tampered emission control devices identified during the equipment check.

Vehicle owners can also apply for a waiver if their vehicles continue to fail the emissions test. A vehicle is eligible for a waiver when the following conditions are met:

1. The vehicle has failed an emissions inspection and following repair and re-inspection, it still does not meet test requirements. Repairs made over 180 days prior to the expiration of the license plate cannot be applied to the waiver repair cost limit.
2. The vehicle has passed a waiver emission equipment inspection to determine if emission control equipment is missing, modified or disconnected.

The Vehicle Inspection Reports (VIR) has been presented to the Waiver Investigator at the time a waiver is requested. The REPAIR DATA section of these reports has been completed in accordance with instructions provided on the report form. Motorists must bring their vehicle and itemized receipts for parts and labor to verify the emission related repairs.

1. For all vehicles which exceed the terms of the manufacturer's emission performance or defect warranty coverage at the time of the scheduled emission inspection, the owner must have emission related repairs performed on the vehicle at a recognized repair facility.
2. The actual costs of emission related repairs and adjustments exceed the repair cost limit for that vehicle's county of domicile. Only repairs that are related to the vehicle's cause of failure can be used to apply for a cost waiver. Costs covered by any warranty or costs to repair/replace emission control equipment that has been removed, modified or disconnected are excluded.
3. Until July 1, 2013, the repair cost limit for all model year vehicles subject to testing was \$819. The waiver repair cost limit was adjusted to \$840 on July 1, 2013. This figure is adjusted annually by the DNR per NR 485.045. The cost limit in 2012 was \$819.

The following chart illustrates the cost waivers granted in 2013 by model year. Since even model year vehicles were tested in 2013, they account for the majority of the waivers.

| MODEL YEAR & VEHICLE TYPE | INITIAL FAIL | COST | DIAGNOSTIC | WAIVER TOTAL | WAIVER RATE |
|---------------------------|--------------|------|------------|--------------|-------------|
| 1996 | 2713 | 6 | 12 | 18 | 0.7% |
| PASSENGER | 1646 | 4 | 10 | 14 | 0.9% |
| SUV | 502 | | | | 0.0% |
| TRUCK | 282 | 1 | 2 | 3 | 1.1% |
| VAN | 283 | 1 | | 1 | 0.4% |
| 1997 | 1401 | 6 | 6 | 12 | 0.9% |
| PASSENGER | 859 | 3 | 5 | 8 | 0.9% |
| SUV | 268 | 1 | 1 | 2 | 0.7% |
| TRUCK | 139 | | | | 0.0% |
| VAN | 135 | 2 | | 2 | 1.5% |
| 1998 | 4162 | 7 | 11 | 18 | 0.4% |
| PASSENGER | 2431 | 2 | 9 | 11 | 0.5% |
| SUV | 724 | 3 | 1 | 4 | 0.6% |
| TRUCK | 454 | | | | 0.0% |
| VAN | 553 | 2 | 1 | 3 | 0.5% |
| 1999 | 1688 | 10 | 2 | 12 | 0.7% |
| PASSENGER | 1078 | 6 | 2 | 8 | 0.7% |
| SUV | 303 | 3 | | 3 | 1.0% |
| TRUCK | 120 | | | | 0.0% |
| VAN | 187 | 1 | | 1 | 0.5% |
| 2000 | 5368 | 23 | 10 | 33 | 0.6% |
| PASSENGER | 3442 | 15 | 9 | 24 | 0.7% |
| SUV | 796 | 5 | 1 | 6 | 0.8% |
| TRUCK | 436 | 2 | | 2 | 0.5% |
| VAN | 694 | 1 | | 1 | 0.1% |
| 2001 | 1905 | 17 | 13 | 30 | 1.6% |
| PASSENGER | 1272 | 8 | 7 | 15 | 1.2% |
| SUV | 272 | 4 | 4 | 8 | 2.9% |
| TRUCK | 119 | 1 | 2 | 3 | 2.5% |
| VAN | 242 | 4 | | 4 | 1.7% |
| 2002 | 5717 | 27 | 12 | 39 | 0.7% |
| PASSENGER | 3475 | 14 | 8 | 22 | 0.6% |
| SUV | 1153 | 8 | 1 | 9 | 0.8% |
| TRUCK | 383 | 2 | 2 | 4 | 1.0% |
| VAN | 706 | 3 | 1 | 4 | 0.6% |
| 2003 | 1192 | 12 | 4 | 16 | 1.3% |
| PASSENGER | 749 | 8 | 4 | 12 | 1.6% |
| SUV | 237 | 4 | | 4 | 1.7% |
| TRUCK | 71 | | | | 0.0% |
| VAN | 135 | | | | 0.0% |

| MODEL YEAR & VEHICLE TYPE | INITIAL FAIL | COST | DIAGNOSTIC | WAIVER TOTAL | WAIVER RATE |
|---------------------------|--------------|------|------------|--------------|-------------|
| 2004 | 3464 | 8 | 9 | 17 | 0.5% |
| PASSENGER | 1966 | 6 | 5 | 11 | 0.6% |
| SUV | 901 | 1 | 1 | 2 | 0.2% |
| TRUCK | 322 | | | | 0.0% |
| VAN | 275 | 1 | 3 | 4 | 1.5% |
| 2005 | 735 | 7 | 3 | 10 | 1.4% |
| PASSENGER | 429 | 5 | 3 | 8 | 1.9% |
| SUV | 182 | 1 | | 1 | 0.5% |
| TRUCK | 37 | 1 | | 1 | 2.7% |
| VAN | 87 | | | | 0.0% |
| 2006 | 2516 | 12 | 7 | 19 | 0.8% |
| PASSENGER | 1469 | 6 | 3 | 9 | 0.6% |
| SUV | 547 | 3 | 4 | 7 | 1.3% |
| TRUCK | 171 | | | | 0.0% |
| VAN | 329 | 3 | | 3 | 0.9% |
| 2007 | 420 | 2 | 6 | 8 | 1.9% |
| PASSENGER | 251 | 2 | 5 | 7 | 2.8% |
| SUV | 75 | | | | 0.0% |
| TRUCK | 44 | | 1 | 1 | 2.3% |
| VAN | 50 | | | | 0.0% |
| 2008 | 1220 | 3 | 4 | 7 | 0.6% |
| PASSENGER | 660 | | 3 | 3 | 0.5% |
| SUV | 267 | 3 | 1 | 4 | 1.5% |
| TRUCK | 121 | | | | 0.0% |
| VAN | 172 | | | | 0.0% |
| 2009 | 54 | | | | 0.0% |
| PASSENGER | 33 | | | | 0.0% |
| SUV | 10 | | | | 0.0% |
| TRUCK | 7 | | | | 0.0% |
| VAN | 4 | | | | 0.0% |
| 2010 | 299 | 1 | 8 | 9 | 3.0% |
| PASSENGER | 156 | | 7 | 7 | 4.5% |
| SUV | 71 | | 1 | 1 | 1.4% |
| TRUCK | 28 | 1 | | 1 | 3.6% |
| VAN | 44 | | | | 0.0% |
| 2011 | 202 | | 2 | 2 | 1.0% |
| PASSENGER | 199 | | 2 | 2 | 1.0% |
| SUV | 1 | | | | 0.0% |
| TRUCK | 1 | | | | 0.0% |
| VAN | 1 | | | | 0.0% |
| 2012 | 3 | | 1 | 1 | 33.3% |
| PASSENGER | 2 | | | | 0.0% |

| MODEL YEAR & VEHICLE TYPE | INITIAL FAIL | COST | DIAGNOSTIC | WAIVER TOTAL | WAIVER RATE |
|---------------------------|--------------|------|------------|--------------|-------------|
| SUV | | | 1 | 1 | - |
| TRUCK | 1 | | | | 0.0% |
| VAN | | | | - | |
| GRAND TOTAL | 33064 | 141 | 110 | 251 | 0.8% |

NO FINAL OUTCOME

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(vi) The number of vehicles tested by model year and vehicle type with no final outcome (regardless of reason).

The vehicles included in the table below did not have a final outcome of either a pass or waiver test result during the reporting period.

Vehicles with No Known Final Outcome

| | PASSENGER | | SUV | | TRUCK | | VAN | | ALL | |
|--------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|---------------|------------------|
| VEHICLE YEAR | INITIAL FAIL | NO OUTCOME | INITIAL FAIL | NO OUTCOME | INITIAL FAIL | NO OUTCOME | INITIAL FAIL | NO OUTCOME | INITIAL FAILS | NO FINAL OUTCOME |
| 1996 | 1646 | 695 | 502 | 203 | 282 | 91 | 283 | 108 | 2713 | 1097 |
| 1997 | 859 | 453 | 268 | 145 | 139 | 60 | 135 | 81 | 1401 | 739 |
| 1998 | 2431 | 946 | 724 | 258 | 454 | 138 | 553 | 232 | 4162 | 1574 |
| 1999 | 1078 | 525 | 303 | 147 | 120 | 45 | 187 | 101 | 1688 | 818 |
| 2000 | 3442 | 1162 | 796 | 259 | 436 | 100 | 694 | 254 | 5368 | 1775 |
| 2001 | 1272 | 629 | 272 | 121 | 119 | 39 | 242 | 115 | 1905 | 904 |
| 2002 | 3475 | 1122 | 1153 | 305 | 383 | 76 | 706 | 221 | 5717 | 1724 |
| 2003 | 749 | 313 | 237 | 94 | 71 | 18 | 135 | 51 | 1192 | 476 |
| 2004 | 1966 | 520 | 901 | 205 | 322 | 69 | 275 | 61 | 3464 | 855 |
| 2005 | 429 | 144 | 182 | 54 | 37 | 12 | 87 | 25 | 735 | 235 |
| 2006 | 1469 | 339 | 547 | 114 | 171 | 31 | 329 | 47 | 2516 | 531 |
| 2007 | 251 | 92 | 75 | 23 | 44 | 8 | 50 | 16 | 420 | 139 |
| 2008 | 660 | 143 | 267 | 43 | 121 | 25 | 172 | 42 | 1220 | 253 |
| 2009 | 33 | 15 | 10 | 6 | 7 | 1 | 4 | 1 | 54 | 23 |
| 2010 | 156 | 34 | 71 | 12 | 28 | 9 | 44 | 8 | 299 | 63 |
| 2011 | 199 | 4 | 1 | 1 | 1 | 1 | | | 201 | 6 |
| 2012 | 2 | 1 | | | 1 | 1 | | | 3 | 2 |
| 2013 | 2 | 1 | | | 1 | 1 | | | 3 | 2 |
| 2014 | 2 | 1 | | | | | | | 2 | 1 |
| GRAND TOTAL | 20121 | 7139 | 6309 | 1990 | 2737 | 725 | 3896 | 1363 | 33063 | 11217 |

VEHICLES PASSING OR FAILING OBD TEST

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xi) (xii) The number of vehicles tested by model year and vehicle type passing or failing the on-board diagnostic check.

| MODEL YEAR & TYPE | FAIL | PASS | GRAND TOTAL | % FAIL | % PASS |
|-------------------|-------------|--------------|--------------|--------|--------|
| 1996 | 3203 | 24073 | 27276 | 11.7% | 88.3% |
| PASSENGER | 2066 | 14994 | 17060 | 12.1% | 87.9% |
| SUV | 518 | 3387 | 3905 | 13.3% | 86.7% |
| TRUCK | 329 | 3627 | 3956 | 8.3% | 91.7% |
| VAN | 290 | 2065 | 2355 | 12.3% | 87.7% |
| 1997 | 1811 | 9241 | 11052 | 16.4% | 83.6% |
| PASSENGER | 1220 | 6040 | 7260 | 16.8% | 83.2% |
| SUV | 278 | 1185 | 1463 | 19.0% | 81.0% |
| TRUCK | 174 | 1282 | 1456 | 12.0% | 88.0% |
| VAN | 139 | 734 | 873 | 15.9% | 84.1% |
| 1998 | 4861 | 40543 | 45404 | 10.7% | 89.3% |
| PASSENGER | 3046 | 24540 | 27586 | 11.0% | 89.0% |
| SUV | 737 | 6267 | 7004 | 10.5% | 89.5% |
| TRUCK | 512 | 5797 | 6309 | 8.1% | 91.9% |
| VAN | 566 | 3939 | 4505 | 12.6% | 87.4% |
| 1999 | 2096 | 13694 | 15790 | 13.3% | 86.7% |
| PASSENGER | 1463 | 8812 | 10275 | 14.2% | 85.8% |
| SUV | 307 | 2210 | 2517 | 12.2% | 87.8% |
| TRUCK | 136 | 1527 | 1663 | 8.2% | 91.8% |
| VAN | 190 | 1145 | 1335 | 14.2% | 85.8% |
| 2000 | 6221 | 63525 | 69746 | 8.9% | 91.1% |
| PASSENGER | 4222 | 37731 | 41953 | 10.1% | 89.9% |
| SUV | 812 | 10061 | 10873 | 7.5% | 92.5% |
| TRUCK | 482 | 7738 | 8220 | 5.9% | 94.1% |
| VAN | 705 | 7995 | 8700 | 8.1% | 91.9% |
| 2001 | 2414 | 15952 | 18366 | 13.1% | 86.9% |
| PASSENGER | 1733 | 10491 | 12224 | 14.2% | 85.8% |
| SUV | 277 | 2423 | 2700 | 10.3% | 89.7% |
| TRUCK | 154 | 1751 | 1905 | 8.1% | 91.9% |
| VAN | 250 | 1287 | 1537 | 16.3% | 83.7% |
| 2002 | 6592 | 78855 | 85447 | 7.7% | 92.3% |
| PASSENGER | 4284 | 45711 | 49995 | 8.6% | 91.4% |
| SUV | 1171 | 16670 | 17841 | 6.6% | 93.4% |

| MODEL YEAR & TYPE | FAIL | PASS | GRAND TOTAL | % FAIL | % PASS |
|-------------------|-------------|--------------|--------------|--------|--------|
| TRUCK | 418 | 8750 | 9168 | 4.6% | 95.4% |
| VAN | 719 | 7724 | 8443 | 8.5% | 91.5% |
| 2003 | 1438 | 16960 | 18398 | 7.8% | 92.2% |
| PASSENGER | 968 | 10234 | 11202 | 8.6% | 91.4% |
| SUV | 244 | 3458 | 3702 | 6.6% | 93.4% |
| TRUCK | 86 | 1690 | 1776 | 4.8% | 95.2% |
| VAN | 140 | 1578 | 1718 | 8.1% | 91.9% |
| 2004 | 3865 | 81528 | 85393 | 4.5% | 95.5% |
| PASSENGER | 2327 | 44185 | 46512 | 5.0% | 95.0% |
| SUV | 909 | 21089 | 21998 | 4.1% | 95.9% |
| TRUCK | 347 | 9280 | 9627 | 3.6% | 96.4% |
| VAN | 282 | 6974 | 7256 | 3.9% | 96.1% |
| 2005 | 848 | 17049 | 17897 | 4.7% | 95.3% |
| PASSENGER | 536 | 10017 | 10553 | 5.1% | 94.9% |
| SUV | 184 | 3731 | 3915 | 4.7% | 95.3% |
| TRUCK | 41 | 1476 | 1517 | 2.7% | 97.3% |
| VAN | 87 | 1825 | 1912 | 4.6% | 95.4% |
| 2006 | 2773 | 82607 | 85380 | 3.2% | 96.8% |
| PASSENGER | 1703 | 46840 | 48543 | 3.5% | 96.5% |
| SUV | 553 | 18748 | 19301 | 2.9% | 97.1% |
| TRUCK | 186 | 7407 | 7593 | 2.4% | 97.6% |
| VAN | 331 | 9612 | 9943 | 3.3% | 96.7% |
| 2007 | 473 | 16751 | 17224 | 2.7% | 97.3% |
| PASSENGER | 300 | 10123 | 10423 | 2.9% | 97.1% |
| SUV | 75 | 3821 | 3896 | 1.9% | 98.1% |
| TRUCK | 48 | 1515 | 1563 | 3.1% | 96.9% |
| VAN | 50 | 1292 | 1342 | 3.7% | 96.3% |
| 2008 | 1338 | 83424 | 84762 | 1.6% | 98.4% |
| PASSENGER | 766 | 44641 | 45407 | 1.7% | 98.3% |
| SUV | 268 | 23713 | 23981 | 1.1% | 98.9% |
| TRUCK | 131 | 7538 | 7669 | 1.7% | 98.3% |
| VAN | 173 | 7532 | 7705 | 2.2% | 97.8% |
| 2009 | 63 | 3921 | 3984 | 1.6% | 98.4% |
| PASSENGER | 42 | 2430 | 2472 | 1.7% | 98.3% |
| SUV | 10 | 812 | 822 | 1.2% | 98.8% |
| TRUCK | 7 | 397 | 404 | 1.7% | 98.3% |
| VAN | 4 | 282 | 286 | 1.4% | 98.6% |
| 2010 | 323 | 57875 | 58198 | 0.6% | 99.4% |
| PASSENGER | 178 | 32998 | 33176 | 0.5% | 99.5% |
| SUV | 71 | 15243 | 15314 | 0.5% | 99.5% |
| TRUCK | 29 | 4806 | 4835 | 0.6% | 99.4% |
| VAN | 45 | 4828 | 4873 | 0.9% | 99.1% |

| MODEL YEAR & TYPE | FAIL | PASS | GRAND TOTAL | % FAIL | % PASS |
|--------------------|--------------|---------------|---------------|--------|--------|
| 2011 | 213 | 2709 | 2922 | 7.3% | 92.7% |
| PASSENGER | 210 | 1418 | 1628 | 12.9% | 87.1% |
| SUV | 1 | 848 | 849 | 0.1% | 99.9% |
| TRUCK | 1 | 243 | 244 | 0.4% | 99.6% |
| VAN | 1 | 200 | 201 | 0.5% | 99.5% |
| 2012 | 3 | 498 | 501 | 0.6% | 99.4% |
| PASSENGER | 2 | 297 | 299 | 0.7% | 99.3% |
| SUV | | 125 | 125 | 0.0% | 100.0% |
| TRUCK | 1 | 44 | 45 | 2.2% | 97.8% |
| VAN | | 32 | 32 | 0.0% | 100.0% |
| 2013 | 4 | 199 | 203 | 2.0% | 98.0% |
| PASSENGER | 3 | 115 | 118 | 2.5% | 97.5% |
| SUV | | 51 | 51 | 0.0% | 100.0% |
| TRUCK | 1 | 17 | 18 | 5.6% | 94.4% |
| VAN | | 16 | 16 | 0.0% | 100.0% |
| 2014 | 2 | 67 | 69 | 2.9% | 97.1% |
| PASSENGER | 2 | 52 | 54 | 3.7% | 96.3% |
| SUV | | 11 | 11 | 0.0% | 100.0% |
| TRUCK | | 3 | 3 | 0.0% | 100.0% |
| VAN | | 1 | 1 | 0.0% | 100.0% |
| GRAND TOTAL | 38541 | 609471 | 648012 | 5.9% | 94.1% |

COMPARISON OF ON-BOARD DIAGNOSTIC TESTS WITH OTHER TEST TYPES

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xiii) –(xviii) There is no data for comparing on-board diagnostic tests with other test types because Wisconsin only conducts on-board diagnostic tests.

CHECK ENGINE LIGHT COMMANDED ON

A small population of vehicles in southeastern Wisconsin produces most of the vehicle exhaust pollution – these are the so-called gross polluters. As vehicles are driven, problems can develop because of defective parts, improper maintenance or simply from deterioration due to age and usage. This helps explain why a vehicle can be relatively clean one year and become a gross polluter at the time of its next inspection. Since hydrocarbon, carbon monoxide and nitrogen oxides are invisible, a vehicle inspection is an effective method to ensure that a vehicle is not polluting excessively.

In most cases, if the vehicle's check engine light is commanded on due to an emission component malfunction, then the Diagnostic Trouble Codes (DTC) are recorded and provided to the motorist. The vehicle will fail this portion of the inspection if the check engine light is commanded on. However, there are also some instances where the check engine light is on but no DTCs are stored. In either case, the vehicle will need to be repaired and brought back for a re-inspection.

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xix) The number of vehicles tested by model year and vehicle type where the MIL is commanded on and no codes are stored

MIL Commanded On, No DTCs

| MODEL YEAR | PASSENGER | SUV | VAN | GRAND TOTAL |
|-------------|-----------|-----|-----|-------------|
| 1996 | 2 | | | 2 |
| 1997 | 2 | | | 2 |
| 1998 | 2 | | | 2 |
| 1999 | 3 | 1 | 1 | 5 |
| 2000 | 3 | 1 | | 4 |
| 2001 | 6 | | 3 | 9 |
| 2002 | 26 | 4 | 8 | 38 |
| 2003 | 5 | 1 | | 6 |
| 2004 | 1 | 1 | | 2 |
| 2006 | 1 | 3 | | 4 |
| 2008 | | 1 | | 1 |
| GRAND TOTAL | 51 | 12 | 12 | 75 |

Another condition that can occur is when the vehicle's check engine light is NOT commanded on but a Diagnostic Trouble Codes (DTC) is stored within the vehicle's computer. The most likely reason for this condition is a pending code indicating a problem within the vehicle that has not yet met the threshold for activating the check engine light, or a condition that has since resolved itself. Since the MIL is not commanded on, the vehicle will pass this portion of the inspection.

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xx)

The number of vehicles tested by model year and vehicle type where the MIL is not commanded on and codes are stored.

MIL Not Commanded On, DTCs Stored

| MODEL YEAR | PASSENGER | SUV | TRUCK | VAN | GRAND TOTAL |
|--------------------|--------------|--------------|-------------|-------------|--------------|
| 1996 | 2052 | 597 | 582 | 340 | 3571 |
| 1997 | 1022 | 183 | 169 | 147 | 1521 |
| 1998 | 2933 | 887 | 794 | 546 | 5160 |
| 1999 | 1234 | 275 | 185 | 170 | 1864 |
| 2000 | 4300 | 1110 | 832 | 955 | 7197 |
| 2001 | 1497 | 326 | 185 | 157 | 2165 |
| 2002 | 5171 | 1769 | 720 | 656 | 8316 |
| 2003 | 1066 | 390 | 161 | 122 | 1739 |
| 2004 | 3773 | 2238 | 627 | 555 | 7193 |
| 2005 | 825 | 276 | 104 | 132 | 1337 |
| 2006 | 2903 | 1238 | 381 | 584 | 5106 |
| 2007 | 484 | 204 | 70 | 77 | 835 |
| 2008 | 1413 | 597 | 297 | 324 | 2631 |
| 2009 | 76 | 7 | 15 | 14 | 112 |
| 2010 | 403 | 200 | 63 | 140 | 806 |
| 2011 | 158 | 10 | 1 | 2 | 171 |
| 2012 | 3 | 1 | 3 | | 7 |
| 2013 | 6 | 2 | 1 | 1 | 10 |
| 2014 | 5 | | | | 5 |
| GRAND TOTAL | 29324 | 10310 | 5190 | 4922 | 49746 |

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xxi)

The number of vehicles tested by model year and vehicle type where the MIL is commanded on and codes are stored.

MIL Commanded On, DTCs Stored

| MODEL YEAR | PASSENGER | SUV | TRUCK | VAN | GRAND TOTAL |
|--------------------|------------------|-------------|--------------|-------------|--------------------|
| 1996 | 1904 | 474 | 305 | 273 | 2956 |
| 1997 | 1139 | 257 | 167 | 135 | 1698 |
| 1998 | 2903 | 664 | 497 | 562 | 4626 |
| 1999 | 1391 | 275 | 124 | 170 | 1960 |
| 2000 | 3967 | 718 | 462 | 679 | 5826 |
| 2001 | 1619 | 245 | 153 | 238 | 2255 |
| 2002 | 4040 | 1090 | 399 | 701 | 6230 |
| 2003 | 918 | 229 | 79 | 148 | 1374 |
| 2004 | 2227 | 826 | 352 | 286 | 3691 |
| 2005 | 509 | 166 | 39 | 92 | 806 |
| 2006 | 1613 | 502 | 202 | 354 | 2671 |
| 2007 | 268 | 68 | 45 | 41 | 422 |
| 2008 | 722 | 257 | 122 | 164 | 1265 |
| 2009 | 42 | 10 | 7 | 5 | 64 |
| 2010 | 161 | 60 | 29 | 43 | 293 |
| 2011 | 204 | 1 | 1 | 1 | 207 |
| 2012 | 2 | | | | 2 |
| 2013 | 2 | | | | 2 |
| 2014 | 2 | | | | 2 |
| GRAND TOTAL | 23633 | 5842 | 2983 | 3892 | 36350 |

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xxii)

The number of vehicles tested by model year and vehicle type where the MIL is not commanded on and codes are not stored.

MIL Not Commanded On, No DTCs Stored

| MODEL YEAR | PASSENGER | SUV | TRUCK | VAN | GRAND TOTAL |
|-------------|-----------|--------|-------|-------|-------------|
| 1996 | 15210 | 3220 | 3355 | 1868 | 23653 |
| 1997 | 6252 | 1280 | 1235 | 703 | 9470 |
| 1998 | 24976 | 6128 | 5456 | 3719 | 40279 |
| 1999 | 9073 | 2259 | 1468 | 1105 | 13905 |
| 2000 | 37742 | 9671 | 7294 | 7465 | 62172 |
| 2001 | 12070 | 2655 | 1865 | 1426 | 18016 |
| 2002 | 46467 | 16362 | 8577 | 7708 | 79114 |
| 2003 | 10679 | 3335 | 1633 | 1585 | 17232 |
| 2004 | 43684 | 19899 | 9094 | 6530 | 79207 |
| 2005 | 10140 | 3681 | 1455 | 1732 | 17008 |
| 2006 | 46380 | 18152 | 7179 | 9013 | 80724 |
| 2007 | 10113 | 3723 | 1531 | 1295 | 16662 |
| 2008 | 44512 | 23576 | 7569 | 7482 | 83139 |
| 2009 | 2458 | 819 | 423 | 281 | 3981 |
| 2010 | 33268 | 15227 | 4873 | 4758 | 58126 |
| 2011 | 1283 | 859 | 249 | 206 | 2597 |
| 2012 | 305 | 124 | 44 | 34 | 507 |
| 2013 | 121 | 55 | 20 | 16 | 212 |
| 2014 | 48 | 11 | 3 | 1 | 63 |
| GRAND TOTAL | 354781 | 131036 | 63323 | 56927 | 606067 |

READINESS MONITORS:

A vehicle's OBD system continually tracks and stores information about the emission control devices and other engine related components. Readiness monitors indicate if components have been fully evaluated and whether system components have experienced any driving conditions that prevent the vehicle from operating as designed by the manufacturer. The test equipment reads the readiness monitor statuses as part of the vehicle emissions inspection.

Vehicles "Not Ready" for OBD testing receive a reject test result. For 1996 - 2000 model year vehicles, a vehicle can have up to 2 readiness monitors unset; for 2001 and newer vehicles, only 1 readiness monitor can be unset. If the unset readiness monitors exceed the requirements, the vehicle will be rejected from further testing until this condition is corrected.

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xxiii)

The number of vehicles tested by model year and vehicle type where the readiness status indicates that the evaluation is not complete for any module supported by on-board diagnostic systems.

Readiness Monitors Not Complete By Model Year and Vehicle Type

| MODEL YEAR | PASSENGER | SUV | TRUCK | VAN | GRAND TOTAL |
|-------------|-----------|------|-------|------|-------------|
| 1996 | 1974 | 367 | 382 | 216 | 2939 |
| 1997 | 1104 | 249 | 162 | 135 | 1650 |
| 1998 | 3052 | 641 | 503 | 395 | 4591 |
| 1999 | 1364 | 283 | 153 | 142 | 1942 |
| 2000 | 3746 | 621 | 509 | 537 | 5413 |
| 2001 | 2821 | 513 | 335 | 332 | 4001 |
| 2002 | 5422 | 1327 | 709 | 777 | 8235 |
| 2003 | 1376 | 245 | 132 | 169 | 1922 |
| 2004 | 2882 | 891 | 616 | 255 | 4644 |
| 2005 | 825 | 202 | 118 | 78 | 1223 |
| 2006 | 2030 | 518 | 279 | 230 | 3057 |
| 2007 | 363 | 81 | 67 | 67 | 578 |
| 2008 | 965 | 334 | 269 | 222 | 1790 |
| 2009 | 75 | 11 | 35 | 12 | 133 |
| 2010 | 459 | 127 | 113 | 52 | 751 |
| 2011 | 12 | 18 | 4 | 6 | 40 |
| 2012 | 5 | | | 1 | 6 |
| 2013 | 7 | 5 | 3 | 1 | 16 |
| 2014 | 1 | | | | 1 |
| GRAND TOTAL | 28483 | 6433 | 4389 | 3627 | 42932 |

INITIAL TEST VOLUME BY MODEL YEAR AND STATION

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(3)

The initial test volume by model year and test station.

Data Found In Appendix I

INITIAL TEST FAILURE RATE BY MODEL YEAR AND TEST STATION

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(4)

The initial test failure rate by model year and test station

Data Found in Appendix 2

CHANGE IN TAILPIPE EMISSION LEVELS AFTER REPAIRS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(5)

The average increase or decrease in tailpipe emission levels for HC, CO and NOX (if applicable) after repairs by model year and vehicle type for vehicles receiving a mass emissions test.

Not Applicable – On-Board Diagnostic Testing Only

QUALITY ASSURANCE REPORT

TESTING NETWORK

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(1)(i)

The number of inspection stations and lanes

The testing network consists of 200 stations and five technical assistance centers. The Private Inspection facilities are listed below in Table III.

PRIVATE INSPECTION FACILITIES OPERATING ON DECEMBER 31, 2013

| STATION NUMBER | PRIVATE INSPECTION FACILITY | ADDRESS | CITY | ZIP |
|----------------|---|----------------------------|-----------------|-------|
| WIST1002 | Engine & Transmission Exchange | 2727 S. 27th St. | Milwaukee | 53215 |
| WIST1003 | Allenton Service | 5908 Hillcrest Dr. | Allenton | 53002 |
| WIST1006 | Schlossmann's Honda City | 3450 South 108th St. | Greenfield | 53227 |
| WIST1011 | Lynch Truck Center | 29000 Sharon Lane | Waterford | 53185 |
| WIST1012 | Butler Auto Body | 4830 N. 125th St. | Butler | 53007 |
| WIST1013 | Mobil 1 Lube Express #12 | W156 N8390 Pilgrim Rd | Menomonee Falls | 53051 |
| WIST1014 | Mission Auto Services | 1230 South West Ave | Waukesha | 53186 |
| WIST1015 | Scrub A Dub | N95 W18255 Appleton Avenue | Menomonee Falls | 53051 |
| WIST2001 | Braeger Chevy Inc | 4100 S. 27th St | Milwaukee | 53221 |
| WIST2003 | Hartnell Chevrolet | 7800 Antioch Rd. (Hwy 83) | Salem | 53168 |
| WIST2006 | LaBelle Automotive (Formerly Auto Connectionz Plus) | N56 W39413 Hwy 16 | Oconomowoc | 53066 |
| WIST2014 | Midas Auto Service Center | 3706 W. Wisconsin Ave. | Milwaukee | 53208 |
| WIST2015 | Heiser Toyota | 11301 W. Metro Blvd. | Milwaukee | 53224 |
| WIST2016 | O'Reilly Motor Cars Inc | 324 West Cherry St. | Milwaukee | 53212 |
| WIST2017 | Ewald Chevrolet | 36833 E. Wisconsin Ave | Oconomowoc | 53066 |
| WIST2018 | Fast Track Oil Change #13 | 1557 W Moreland Blvd | Waukesha | 53186 |
| WIST2019 | Automotive Solutions | 215 Klein Lane | Saukville | 53080 |
| WIST2020 | Suds Wash and Lube | 7700 W. Rawson Ave | Franklin | 53132 |
| WIST3003 | Accelerated Auto Service | 667 W. State St. | Burlington | 53105 |
| WIST3004 | Gordie Boucher Ford | 8301 75th St. | Kenosha | 53142 |
| WIST3005 | Gordie Boucher Ford Lincoln | 3021 W. Washington St. | West Bend | 53095 |
| WIST3006 | Martin's Automotive Services | W230 S8750 Wynn Dr | Big Bend | 53103 |
| WIST3007 | Lynch Chevrolet of Kenosha | 7650 75th St. | Kenosha | 53142 |

| STATION NUMBER | PRIVATE INSPECTION FACILITY | ADDRESS | CITY | ZIP |
|-------------------|---------------------------------------|--------------------------|---------------------|-------|
| WIST3013 | John Amato Hyundai Inc. | 8301 N. 76th St. | Milwaukee | 53223 |
| WIST3014 | Komp Tech Automotive Service | 8832 W. Greenfield Ave. | West Allis | 53214 |
| WIST3016 | Mobil 1 Lube Express | 1328 Indiana Ave. | Sheboygan | 53081 |
| WIST4002 | Joe's Slinger Service LLC | 220 Info Hwy. Crt. | Slinger | 53086 |
| WIST4003 | Kusch's Automotive | 136 N. 120th St. | Wauwatosa | 53226 |
| WIST4004 | Jim's Mobil Service Inc. | 12401 W. Cleveland Ave. | New Berlin | 53151 |
| WIST4006 | Newman Chevrolet | 1181 Wauwatosa Rd | Cedarburg | 53012 |
| WIST4009 | Bluemound Auto Service | 6000 W. Bluemound Rd | Wauwatosa | 53213 |
| WIST4011 | Junior Tire & Automotive Service Inc. | 201 S Main St. | Thiensville | 53092 |
| WIST4014 | Laubenheimer's Garage LLC | 1860 Hwy 175, 36 | PO Box Richfield | 53076 |
| WIST4017 | F & F Tire World | 2930 W. Rawson Ave. | Franklin | 53132 |
| WIST4019 | Fleet Auto Sales & Service | 7400 W. National Ave. | West Allis | 53214 |
| WIST4024 | Girard's Service | 5517 W. Rawson Ave. | Franklin | 53132 |
| WIST4026 | Russ Darrow Kia of Wauwatosa | 1901 N. Mayfair Rd | Wauwatosa | 53226 |
| WIST4031 | R & R Automotive | 6930 39th Ave. | Kenosha | 53142 |
| WIST4032 | Laus Tire & Auto | 5025 W. Villard Ave. | Milwaukee | 53218 |
| WIST4036 | Boucher Chevrolet, Inc. | 1421 E. Moreland Blvd | Waukesha | 53186 |
| WIST4039 | Van Horn Dodge | 3000 Eastern Ave | Plymouth | 53073 |
| WIST4040 | Ewald Venus Ford | 2727 E. Layton Ave. | Cudahy | 53110 |
| WIST4041 | Hillside Auto Body & Service | 1336 East Main St. | Waukesha | 53186 |
| WIST4042 | Meineke Car Care Center | 4320 S 27TH ST | Milwaukee | 53221 |
| WIST4043 | Fast Track Oil Change #7 | 4296 S 27TH ST | Milwaukee | 53221 |
| WIST4044 | Fast Track Oil Change #11 | 6207 W North Ave | Wauwatosa | 53213 |
| WIST4045 | Bob's Main Street Auto & Tow | 1200 N Main St | West Bend | 53090 |
| WIST4046 | Valvoline | 3015 52nd St | Kenosha | 53144 |
| WIST5001 | Lois Tire Shop | 916 Milwaukee Ave. | Burlington | 53105 |
| WIST5003 | Russ Darrow Chrysler Jeep Dodge | 7676 North 76th St | Milwaukee | 53223 |
| WIST5004 | O'Gorman's West Town Auto | 7105 W. North Ave. | Wauwatosa | 53213 |
| WIST5005 | Dave's Garage Inc. | 5454 W. Forest Home Ave. | Greenfield | 53220 |
| WIST5007 | Monro | N88 W15176 Main St. | Menomonee Falls | 53051 |
| WIST5008 | Bob's Main Street Auto & Tow | 115 W. Decorah Rd | West Bend | 53095 |
| WIST5009 | F & F Tire World | 410 N. Moorland Rd | Brookfield | 53005 |
| WIST5011 | F & F Tire World | 20120 Bluemound Rd. | Brookfield | 53045 |
| WIST5012 | Krueger's Auto Tech Center | W61 N225 Cardinal Ave. | Cedarburg | 53012 |
| WIST5014 | Frank Boucher Chevrolet Cadillac | 8600 Washington Ave. | Racine | 53406 |

| STATION NUMBER | PRIVATE INSPECTION FACILITY | ADDRESS | CITY | ZIP |
|-------------------|----------------------------------|----------------------------|-----------------|-------|
| WIST5015 | Durand Automotive Center | 1623 Durand Ave. | Racine | 53403 |
| WIST5017 | Pro Auto Center | 303 E. Monroe Ave. | Hartford | 53027 |
| WIST5021 | Monro | 5930 W. Bluemound Rd | Milwaukee | 53213 |
| WIST5022 | Lindem's Auto Repair | 117 E. Capitol Dr | Milwaukee | 53212 |
| WIST5023 | Russ Darrow Mitsubishi | W226 S1700 Hwy 164 | Waukesha | 53186 |
| WIST5028 | Braeger Ford Inc | 4201 S. 27th St | Milwaukee | 53221 |
| WIST5029 | Palmen Buick, GMC, Cadillac | 7110 74th Place | Kenosha | 53142 |
| WIST5036 | Monro | 3849 S. 27th St. | Milwaukee | 53221 |
| WIST5037 | Richlonns Tire & Service Center | 4440 S. 108th St. | Greenfield | 53228 |
| WIST5040 | Dads Auto Service | 598 W12575 Loomis Crt. | Muskego | 53150 |
| WIST5041 | Falls Auto Tech | N84 W15859 Appleton Ave. | Menomonee Falls | 53051 |
| WIST5043 | F & F Tire World | 4671 S. 27th St. | Milwaukee | 53220 |
| WIST5044 | Russ Darrow Nissan | 11212 W Metro Blvd | Milwaukee | 53224 |
| WIST5045 | Dave's Truck & 4 X 4 Repair, LLC | 2993 Sherman Rd. | Jackson | 53037 |
| WIST5047 | Monro | 1212 S. 108th St. | West Allis | 53214 |
| WIST5049 | Chris Auto Service | 14000 W. Greenfield Ave. | Brookfield | 53005 |
| WIST5050 | Boucher Kia | 8730 N. 91st St | Milwaukee | 53224 |
| WIST5052 | Jacks Auto Service Inc. | 9901 Kraut Rd | Franksville | 53126 |
| WIST5053 | Mayer Automotive LLC. | W6082 Hwy W | Cascade | 53011 |
| WIST5055 | Currie Park Auto Center | 10745 W. Capitol Dr. | Wauwatosa | 53222 |
| WIST5056 | Aamco Transmission #15160 (#423) | 9055 N. 76th St. | Milwaukee | 53223 |
| WIST5058 | Ruby Isle Auto | 11137 W. Silver Spring Dr. | Milwaukee | 53225 |
| WIST5061 | Engine & Transmission Exchange | 1604 S. West Ave. | Waukesha | 53189 |
| WIST5066 | Grady's Automotive Inc. | 6272 S. Packard Ave | Cudahy | 53110 |
| WIST5067 | Lynch GM Superstore | 2300 Browns Lake Dr. | Burlington | 53105 |
| WIST5068 | Brookfield Super Lube | 600 Woelfel Rd | Brookfield | 53045 |
| WIST5069 | Fast Track Oil Change #08 | 7515 W Capitol Dr | Milwaukee | 53216 |
| WIST6001 | M & M Citgo | 2101 Douglas Ave. | Racine | 53402 |
| WIST6004 | Chuck's Main St. Auto | N64 W23876 Main St. | Sussex | 53089 |
| WIST6007 | Anderson Automotive | 240 Highland Dr. | Fredonia | 53021 |
| WIST6012 | Monro | 7500 W. Layton Ave. | Greenfield | 53220 |
| WIST6013 | Lutter's Elmbrook Automotive | 16880 Greenfield Ave. | Brookfield | 53005 |
| WIST6014 | Monro | 6084 S. Packard Ave. | Cudahy | 53110 |
| WIST6016 | Mertens Auto Service Center | 389 Milwaukee Ave. | Burlington | 53105 |
| WIST6018 | Paul's Bender Center | 8313 22nd Ave. | Kenosha | 53143 |
| WIST6021 | Maddison Automotive | 210 N. Wales Rd. | Wales | 53183 |
| WIST6022 | Hall Automotive | 11011 W. North Ave | Milwaukee | 53226 |
| WIST7003 | Anastos Motors Inc. | 4513 S. Greenbay Rd | Kenosha | 53144 |

| STATION NUMBER | PRIVATE INSPECTION FACILITY | ADDRESS | CITY | ZIP |
|----------------|-----------------------------------|----------------------------------|-----------------|-------|
| WIST7004 | Passehl's BP | 4625 Taylor Ave. | Racine | 53405 |
| WIST7006 | Russ Darrow West Bend | 3210 W. Washington St. | West Bend | 53095 |
| WIST7007 | Midas | 1230 S. Green Bay Rd | Racine | 53406 |
| WIST7009 | Russ Darrow Honda | 9301 W. Brown Deer Rd | Milwaukee | 53224 |
| WIST7011 | Salem Auto Service | 8515 Antioch Rd | Salem | 53168 |
| WIST7012 | Import Specialists Inc. | 2121 Ole Davidson Rd (N. Hwy 31) | Racine | 53405 |
| WIST7014 | Oak Creek Automotive Inc. | 7948 S. 27th St. | Oak Creek | 53154 |
| WIST7015 | Monro | 13190 W. Capitol Dr. | Brookfield | 53005 |
| WIST7016 | Hartland Services Inc. | 400 Industrial Dr | Hartland | 53029 |
| WIST7017 | Richlonns Tire & Service Centers | 5418 Washington Ave. | Racine | 53406 |
| WIST7018 | Ernie von Schledorn, Inc. | N88 W14167 Main St. | Menomonee Falls | 53051 |
| WIST7019 | Affordable Car & Marine Firestone | 12465 W. Lisbon Rd | Brookfield | 53005 |
| WIST7020 | American Muffler & Automotive | 5933 S. Pine St. | Burlington | 53105 |
| WIST7021 | Expert Car Care Inc. | 6803 W. National Ave. | West Allis | 53214 |
| WIST7022 | John Paul's Buick GMC | 3615 S. 108th St. | Greenfield | 53228 |
| WIST7023 | Lisbon Sales & Services | 7515 W. Lisbon Ave. | Milwaukee | 53216 |
| WIST7024 | Midas | 4500 52nd St. | Kenosha | 53144 |
| WIST7025 | Midas | N96 W18375 Hwy Q | Menomonee Falls | 53052 |
| WIST7026 | Midas | 6050 N. 91st St. | Milwaukee | 53225 |
| WIST7027 | Midas Auto Service Center | 5811 W. Capitol Dr. | Milwaukee | 53216 |
| WIST7030 | National Pride Auto | 5512 75th St. | Kenosha | 53142 |
| WIST7031 | Nelson's Automotive of Pewaukee | N49 W22900 Commerce Ctr. Dr. | Pewaukee | 53072 |
| WIST7032 | North Avenue Firestone | 4926 W. North Ave. | Milwaukee | 53208 |
| WIST7033 | Pinkalla Auto Solutions | 3059 Durand Ave. | Racine | 53403 |
| WIST7034 | Power's Tire & Auto Service | 3347 Kohler Memorial Ste. 24 | Sheboygan | 53081 |
| WIST7036 | Racine Auto Specialist | 2320 Douglas Ave. | Racine | 53402 |
| WIST7037 | Ralph's Auto Center Inc. | W395 N5700 Frontier Rd | Oconomowoc | 53066 |
| WIST7038 | Rhode's Auto & Truck Repair | 8640 Sheridan Rd | Kenosha | 53143 |
| WIST7039 | Richfield Service | 1810 Wolf Rd | Richfield | 53076 |
| WIST7040 | Richlonns Tire & Service Center | S78 W18755 Janesville Rd | Muskego | 53150 |
| WIST7041 | Richlonns Tire & Service Center | 5131 S. 76th St. | Greendale | 53129 |
| WIST7042 | Richlonns Tire & Service Center | 2480 W. Sunset Dr. | Waukesha | 53189 |

| STATION NUMBER | PRIVATE INSPECTION FACILITY | ADDRESS | CITY | ZIP |
|----------------|--|------------------------------|-----------------|-------|
| WIST7043 | River Crest Tire & Auto Service | 880 Main St. | Mukwonago | 53149 |
| WIST7044 | River Falls Oil & Tire | N88W15220 Main St. | Menomonee Falls | 53051 |
| WIST7045 | Rivers Edge Oil & Tire | 811 S. Rochester St. | Mukwonago | 53149 |
| WIST7046 | Weigman's Automotive Inc | 7169 W. Fond du Lac Ave. | Milwaukee | 53218 |
| WIST7049 | Russ Darrow Toyota | 2700 W. Washington St. | West Bend | 53095 |
| WIST7052 | Silver Lake Auto Service Inc. | 36355 E. Wisconsin Ave. | Oconomowoc | 53066 |
| WIST7053 | Silver Lake Auto Service Inc. | 551 N. Cogswell Dr. | Silver Lake | 53170 |
| WIST7054 | Sippl's Auto Service Inc. | N87 W17460 Main St. | Menomonee Falls | 53051 |
| WIST7055 | South Milwaukee Car Care Center | 1221 N. Chicago Ave. | South Milwaukee | 53172 |
| WIST7056 | Southtown Tire & Auto | 2906 S. 108th St. | West Allis | 53227 |
| WIST7057 | Subaru City | 4640 S. 27th St. | Milwaukee | 53221 |
| WIST7060 | Tenhagen Auto Service | 21445 Durand Ave. | Union Grove | 53182 |
| WIST7061 | Theel Auto Inc. | N8364 County Rd J | Elkhart Lake | 53020 |
| WIST7062 | Tires Unlimited Automotive Service | 1557 N. Wisconsin St. | Port Washington | 53074 |
| WIST7065 | Twenty First Century Auto | 5300 W. Forest Home Ave. | Milwaukee | 53220 |
| WIST7066 | Village Car Care LLC. | 447 Bay View Rd | Mukwonago | 53149 |
| WIST7067 | Village Tire & Auto | W172 N12185 Division Rd | Germantown | 53022 |
| WIST7068 | Wales Super Lube #421 | 120 W. Summit Ave | Wales | 53183 |
| WIST7069 | Waukesha U-Haul and Emission Auto Service Center | 2210 Silvernail Rd | Pewaukee | 53072 |
| WIST7070 | Weissman Automotive | W140 N10455 Fond du Lac Ave. | Germantown | 53022 |
| WIST7071 | Welks Automotive | 8333 W. Layton Ave. | Greenfield | 53220 |
| WIST7072 | Westside Auto Center | 820 W. Sumner St. | Hartford | 53027 |
| WIST7073 | Wilmot Auto Service Inc. | 11307 Fox River Rd | Wilmot | 53192 |
| WIST7074 | Wisconsin Muffler | 3634 W. Lincoln Ave. | Milwaukee | 53215 |
| WIST7075 | Wisconsin Muffler | 13320 W. College Ave. | New Berlin | 53151 |
| WIST7076 | WJ Kuhn Automotive Center Inc. | 8511 S. Howell Ave. | Oak Creek | 53154 |
| WIST7078 | Griffin Ford | 1940 E. Main St. | Waukesha | 53186 |
| WIST7079 | Koplein Tune & Lube | 7960 N. 76th St. | Milwaukee | 53223 |
| WIST7080 | Schmidt Bros Ford Lincoln | 925 E. Green Bay Rd | Saukville | 53080 |
| WIST7081 | Farkas Automotive Inc. | 8008 N. Sherman | Brown Deer | 53209 |
| WIST7083 | Sheboygan Chevrolet GMC Buick | 3400 S. Business Dr. | Sheboygan | 53081 |

| STATION NUMBER | PRIVATE INSPECTION FACILITY | ADDRESS | CITY | ZIP |
|----------------|---------------------------------------|---------------------------|---------------|-------|
| WIST7084 | Uptown Chevrolet | 1101 E. Commerce BLvd | Slinger | 53086 |
| WIST7086 | Russ Darrow Kia of Waukesha | 2141 E. Moreland Blvd | Waukesha | 53186 |
| WIST7087 | Dave's American Discount Muffler | 8719 Sheridan Rd | Kenosha | 53142 |
| WIST7088 | Hoffman Auto & Tire | 5616 Green Bay Rd | Kenosha | 53144 |
| WIST7090 | Carwurx Plus | 10685 W. Layton Ave. | Greenfield | 53228 |
| WIST7091 | Carwurx | 6906 S. 27th ST. | Oak Creek | 53154 |
| WIST7092 | G-Brock's Auto Repair | 375 E. Ottawa Ave | Dousman | 53118 |
| WIST7093 | Gordon's Wheel Service | 3595 N. 124 St. | Brookfield | 53005 |
| WIST7094 | Muskego Tire & Auto | 573 W16610 Janesville Rd | Muskego | 53150 |
| WIST7095 | National Complete Auto Care | 16405 W. National Ave. | New Berlin | 53151 |
| WIST7098 | Shorewood Auto Repair | 1330 E. Capitol Dr. | Shorewood | 53211 |
| WIST7103 | Meyer Motors Inc. | 107 Plaza Lane | Plymouth | 53073 |
| WIST7104 | Heiser Quick Motors | 7800 N 76th St. | Milwaukee | 53223 |
| WIST7106 | Wilde Toyota | 3225 S. 108 St. | West Allis | 53227 |
| WIST7108 | Mobil1 Lube Express | 2757 Calumet Dr. | Sheboygan | 53081 |
| WIST7109 | Mobil1 Lube Express | 3669 S. Taylor Dr. | Sheboygan | 53081 |
| WIST7111 | Valvoline | 3360 S. 27th St. | Milwaukee | 53221 |
| WIST7112 | Valvoline | 112 S. 68th St. | Milwaukee | 53214 |
| WIST7113 | Fast Track Oil Change #03 | 5400 S. 108th St. | Hales Corners | 53130 |
| WIST7114 | S & F (formally Cleveland Automotive) | 8440 W. Cleveland Ave. | West Allis | 53227 |
| WIST7116 | Fast Track Oil Change #10 | 14245 W. Capitol Dr. | Brookfield | 53005 |
| WIST7117 | Scrub A Dub | 5506 S Packard Ave | Cudahy | 53110 |
| WIST8001 | Silver Lake Auto Center | N76 W30620 HWY VV | Hartland | 53029 |
| WIST8002 | Fast Track Oil Change #1 | 15400 W National Ave | New Berlin | 53151 |
| WIST8004 | National Auto Tech | 630 W. National Ave | Milwaukee | 53204 |
| WIST8005 | Fast Track Oil Change #04 | 6942 W Brown Deer Rd | Milwaukee | 53223 |
| WIST8006 | Fast Track Oil Change # 09 | 5450 N Port Washington Rd | Glendale | 53216 |

PRIVATE INSPECTION FACILITIES DEACTIVATED IN 2013

| DATE OF ACTIVATION | DE- | STATION NUMBER | COMPANY | ADDRESS | CITY | ZIP |
|-----------------------|-----|-------------------|---|--------------------------|-----------------|-------|
| 1/17/2013 | | WIST7089 | Aurora Auto Care | 2083 S. Muskego Ave. | Milwaukee | 53204 |
| 2/12/2013 | | WIST6019 | E.J. Salentine Buick | 14444 W. Janesville Rd | Muskego | 53150 |
| 2/13/2013 | | WIST1005 | Herman's Complete Car Care LLC | W68 N954 Washington Ave. | Cedarburg | 53012 |
| 2/19/2013 | | WIST7082 | Apple Automotive | N47 W28229 Lynndale Rd | Pewaukee | 53072 |
| 3/8/2013 | | WIST7107 | Butler Auto Body | 4830 N. 125th St. | Butler | 53007 |
| 3/19/2013 | | WIST7110 | C J Automotive Inc. | 1429 E. Main St # A | Waukesha | 53186 |
| 3/21/2013 | | WIST5042 | Auto House Waukesha | 1611 Lincoln Ave | Waukesha | 53186 |
| 4/5/2013 | | WIST4025 | Moorland Auto Repair Inc. | 3890 S. Moorland Rd | New Berlin | 53151 |
| 4/11/2013 | | WIST5063 | National Muffler & Brake | 1614 W. National Ave. | Milwaukee | 53204 |
| 4/11/2013 | | WIST7029 | National Muffler & Brake | 5740 W. Fond du Lac Ave. | Milwaukee | 53216 |
| 5/8/2013 | | WIST4007 | Mobil Auto Care | 5505 Durand Ave. | Racine | 53405 |
| 5/20/2013 | | WIST6015 | B & G Auto | 9105 W. Hampton Ave. | Milwaukee | 53225 |
| 6/4/2013 | | WIST4015 | Holz Motors Inc. | 5961 S. 108th Place | Hales Corners | 53130 |
| 7/19/2013 | | WIST7063 | Toor Auto Services | 4161 S. Howell Ave. | Milwaukee | 53207 |
| 8/3/2013 | | WIST7051 | Scorsone Automotive Inc. | 7200 W. Good Hope Rd | Milwaukee | 53223 |
| 8/7/2013 | | WIST4020 | Burgess Car & Truck Service Center | 9018 W CONRAD LANE | West Allis | 53214 |
| 8/12/2013 | | WIST5043 | F & F Tire World | 4671 S. 27th St. | Greenfield | 53221 |
| 8/23/2013 | | WIST7105 | Bohl Automotive | 2525 Douglas Ave | Racine | 53402 |
| 9/4/2013 | | WIST5039 | Import Minded Inc. | 4200 S. 27th St. | Milwaukee | 53221 |
| 9/25/2013 | | WIST7035 | R.B. Enterprises of Menomonee Falls, Inc. | N89 W15963 Main St. | Menomonee Falls | 53051 |
| 9/30/2013 | | WIST4028 | Dodge City of Milwaukee | 19100 W. Capitol Dr. | Brookfield | 53045 |
| 10/10/2013 | | SYO70146 | F & F Tire World | 7425 W. Holmes Ave. | Greenfield | 53220 |
| 10/14/2013 | | WIST6005 | Honda of Kenosha | 12180 77th St | Bristol | 53104 |
| 10/24/2013 | | WIST6009 | Russ Darrow Mazda | 3520 South 108th Street | Greenfield | 53228 |
| 10/25/2013 | | WIST2008 | Meineke Car Care Center | 6702 - 39th Ave. | Kenosha | 53142 |
| 10/26/2013 | | WIST7102 | West Bend Tire Co. | 2001 Parkway Dr. | West Bend | 53095 |

| DATE OF ACTIVATION | DE- | STATION NUMBER | COMPANY | ADDRESS | CITY | ZIP |
|-----------------------|-----|-------------------|---------------------------|-----------------------------|-----------------|-------|
| 11/1/2013 | | WIST5006 | Badger Truck Center | 2326 W. St. Paul Ave | Milwaukee | 53227 |
| 11/21/2013 | | WIST2007 | Meineke Car Care Center | 10214 W. Greenfield Ave. | West Allis | 53214 |
| 11/21/2013 | | WIST7064 | Trust Tire & Auto Service | 10432 N. Port Washington Rd | Mequon | 53092 |
| 11/25/2013 | | WIST2010 | 688-Cars.inc, | W230 S8895 Clark St. | Big Bend | 53103 |
| 12/19/2013 | | WIST3012 | F & F Tire World | N86 W16370 Appleton Ave. | Menomonee Falls | 53051 |

TECHNICAL ASSISTANCE CENTERS

| STATION NUMBER | TECHNICAL ASSISTANCE CENTER NAME | ADDRESS | CITY | ZIP |
|----------------|----------------------------------|--------------------------------|------------|-------|
| WISTT001 | Jerry's Auto Service Inc. (TAC) | W229 N2467 Hwy F | Waukesha | 53186 |
| WISTT002 | Anaya's Auto Repair (TAC) | 2515 52nd St. | Kenosha | 53140 |
| WISTT003 | Auto Analyzers (TAC) | 8404 W. Greenfield Ave. | West Allis | 53214 |
| WISTT005 | Schaefer Service Center (TAC) | 1130 E. Commerce Blvd | Slinger | 53086 |
| WISTT006 | Carlton Automotive Inc. (TAC) | 1318 Center St., PO Box 700288 | Oostburg | 53070 |

OVERT AND COVERT PERFORMANCE AUDITS NEEDS UPDATES

State auditors conduct overt performance audits in conjunction with their equipment audits each week at the inspection facilities. The following table addresses the overt and covert performance audit activity.

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(2)(i)(ii)(v)

The number of inspection stations and lanes operating throughout the year:

(i) Receiving overt performance audits in the year: 216

(ii) Not receiving overt audits in the year: 6

(iii) Receiving covert audits in the year: 220

(iv) Not receiving covert audits in the year: 2

(v) That have been shut down as a result of overt performance audits: 13

COVERT AUDITS

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(3)

There were 435 covert audits conducted in 2013.

FINES, SUSPENSION OR TERMINATION DUE TO AUDIT FAILURES

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(4)

Eight stations were suspended, fined or prohibited from testing as a result of overt or covert audits.

NUMBER OF INSPECTORS LICENSED OR CERTIFIED TO CONDUCT TESTING

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(5)

There were 1,482 inspectors certified to conduct tests in 2013.

NUMBER OF HEARINGS

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(6)

There were 0 hearings held to consider adverse actions against inspectors and stations.

FINES

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(7)

There was \$0 collected in fines from inspectors and stations.

COVERT AUDITS

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(8)

There were 5 covert vehicles available for undercover audits.

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(9)

There was 5 auditor(s) available for undercover audits.

QUALITY CONTROL REPORT

NUMBER OF EMISSION TESTING SITES AND LANES

USEPA Reporting Requirement: 40 CFR Part 51.366 (c)(1)

There were 222 inspection sites available for testing in 2013.

NUMBER OF EQUIPMENT AUDITS BY STATION AND LANE

USEPA Reporting Requirement: 40 CFR 51.366 (c)(2)

Equipment audits by station and lane.

There were 4,086 equipment audits conducted in 2013. Appendix 3 lists the audits by station.

USEPA Reporting Requirement: 40 CFR 51.366 (c)(3)

The number and percentage of stations that have failed equipment audits:

There were 6 (2.7%) stations that failed equipment audits in 2013.

USEPA Reporting Requirement: 40 CFR 51.366 (c)(4)

The number and percentage of stations and lanes shut down as a result of an equipment audit:

There were no stations shut down as a result of an equipment audit in 2013.

ENFORCEMENT REPORT

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(i): An estimate of the number of vehicles subject to the inspection program, including the results of an analysis of the registration database.

Each month, the Wisconsin Department of Transportation selects vehicles subject to the mandatory testing requirement for registration renewal purposes. There were 697,237 vehicles selected (model years: 1996, 1998, 2000, 2002, 2004, 2006, 2008 and 2010) for notification in 2013.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(ii): The percentage of motorists compliance based upon a comparison of the number of valid final tests with the number of subject vehicles.

Overall, 600,377 vehicles receiving mandatory inspections in 2013 received a pass, waiver or diagnostic waiver test result. This is an 86.1% compliance rate for mandatory testing requirements. Variables include vehicles that changed ownership at the time their registrations were due and vehicles that were moved outside of the testing area after the registration select occurred.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(iii): The total number of compliance documents issued to inspection stations. o

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(iv) The number of missing compliance documents. o

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(v) The number of time extensions and other exemptions granted to motorists. There were 10,870 temporary plates issued in 2013. WisDOT Vehicle Emissions Inspection Unit issued 99 temporary exemptions in 2013.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(vi) The number compliance surveys conducted, number of vehicles surveyed in each, and the compliance rates found.

There were no compliance surveys conducted in 2013.

REGISTRATION DENIAL BASED ENFORCEMENT PROGRAMS

USEPA Reporting Requirement: 40 CFR 51.366 (d)(2)(i) A report of the program's efforts and actions to prevent motorists from falsely registering vehicles out of the program area or falsely changing fuel type or weight class on the vehicle registration, and the results of special studies to investigate the frequency of such activity.

In 2013, WisDOT personnel completed investigations on 86 vehicles that listed domicile outside of the program area, but were suspected of being kept in the program area. After receiving notification for WisDOT, 38 vehicles submitted to testing and received a passing result. Thirty vehicles were suspended for failing to comply; nine were junked or sold, and nine provided verification that they were being kept outside of the program area.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(2)(ii) The number of registration file audits, number of registrations reviewed and compliance rates found in such audits.

There were no registration file audits conducted in 2013.

COMPUTER-MATCHING BASED ENFORCEMENT PROGRAMS

USEPA Reporting Requirement: 40 CFR 51.366 (d)(3) Wisconsin is a registration denial based enforcement system. This section is not applicable.

STICKER- BASED ENFORCEMENT PROGRAMS

USEPA Reporting Requirement: 40 CFR 51.366 (d)(4) Wisconsin is a registration denial based enforcement system. This section is not applicable